

Special Issue

TSPO and Brain Disorders

Message from the Guest Editors

TSPO modulates the generation of various molecules, as well as the transport of such molecules over the outer mitochondrial membrane. Furthermore, the TSPO regulates inflammation and immune responses, as well as cell proliferation, migration, differentiation, and adhesion. These are all essential functions related to the various brain disorders and their healing. To address associated questions regarding these functions, including their roles in neurological disorders, numerous synthetic TSPO ligands have been designed, generally based on the tricyclic structure of benzodiazepines. Now, we are starting to understand that synthetic and natural ligands bind to various sites on the TSPO. Hopefully, the expansion of our knowledge on TSPO will lead to novel treatments for various brain disorders. Submissions dealing with all of these topics are welcome. Keywords

- TSPO
- brain trauma
- brain disease
- neurodegeneration
- mental disorder
- astrocytes
- microglia
- neurons
- inflammation
- treatment

Guest Editors

Dr. Leo Veenman
Prof. Moshe Gavish
Prof. Dr. Abraham Weizman

Deadline for manuscript submissions

closed (31 December 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/21027

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)